Index of Claims

Reexamination LEE, SUK HUN

Applicant(s)/Patent under

10/517,818

John C. Ingham

Art Unit

Examiner

2814

Rejected **Allowed** 

(Through numeral) Cancelled

Non-Elected N

**Appeal** Α

Restricted

Interference

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| Cla   |  |                                       |              | [  | Date         | •        |          |          |        |               |   |
| Final | Original                                     | 5/2/06                                |              |  |              |          |          |          |        |               |   |
|       | 1  | 1                                     |              | $\vdash$   | $\vdash$     |          |          |          | _      |               |   |
|       | 2  | 1                                     |              | ┢  |              |          | _        |          | _      |               |   |
|       | 1<br>2<br>3<br>4<br>5                        | 1                                     |              | $\vdash$   |              |          |          |          |        |               |   |
|       | 4  | ٧                                     |              |  |              |          |          |          |        |               |   |
|       | 5  | 1                                     |              |  |              |          |          |          |        |               |   |
|       | 6<br>7                                       | 1                                     |              |  |              |          |          |          |        | <u>_</u>      |   |
|       | 7  | 77777                                 |              | <u> </u>   | <u> </u>     | _        | _        |          |        |               |   |
|       | 8  | ٧                                     |              | <u> </u>   | <u> </u>     |          |          |          |        |               | l |
|       | 9  | ٧                                     | _            | _  | L            |          |          | _        |        | _             | l |
|       | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17 | 1                                     | <u> </u>     | ├—   | ⊢            |          |          | H        |        |               | l |
|       | 12   | N N                                   | <u> </u>     | -  | ┝            | -        | -        |          |        |               | l |
|       | 13   | 1                                     | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$ | H        | -      | $\vdash$      |   |
|       | 14   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |              | ┢─   | -            | -        | -        | $\vdash$ |        |               |   |
|       | 15   | 1                                     | -            | <del>                                     </del> |              |          | -        | $\vdash$ |        |               |   |
|       | 16   | 1                                     |              | <u> </u>   |              |          |          | Г        |        |               |   |
|       | 17   | 1                                     |              |  | _            | Г        |          |          |        |               | ١ |
|       | 18   | 1                                     |              |  |              |          |          |          |        |               | ١ |
|       | 19   | 1                                     |              |  |              |          |          |          |        |               |   |
|       | 20   | 1                                     |              |  |              |          |          |          |        |               |   |
|       | 21   |                                       | <u> </u>     |  |              |          |          |          |        |               |   |
|       | 22   |                                       |              | _  |              | L.       |          |          |        |               |   |
|       | 23   |                                       |              |  |              | <u> </u> |          | L_       |        | _             | l |
|       | 24   |                                       | ļ            |  | ļ.,          | <u> </u> |          | _        |        | <u> </u>      | l |
|       | 20<br>21<br>22<br>23<br>24<br>25<br>26       | H                                     | _            | _  | _            | H        |          |          | -      |               | ł |
|       | 27   | $\vdash$                              | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$ | -        | -      | -             | ł |
| -     | 28   | $\vdash$                              | <del> </del> |  | -            | ┝        | -        | -        |        | -             | l |
|       | 28<br>29                                     | H                                     | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | _        | -        |        | -             | ١ |
|       | 30   | $\vdash$                              |              |  |              | $\vdash$ | _        |          |        |               | ١ |
|       | 31<br>32                                     |                                       |              | _  |              | $\vdash$ | Г        |          |        |               | ١ |
|       | 32   |                                       |              |  |              |          |          |          |        |               |   |
|       | 33   |                                       |              |  |              |          |          |          |        |               |   |
|       | 34   |                                       | _            | _  | _            | L        |          | L        |        | _             |   |
|       | 35   |                                       |              | _  | _            | L        |          |          |        |               | ļ |
|       | 36<br>37                                     | <u> </u>                              |              |  |              | <u> </u> |          | _        |        | -             | l |
|       | 38   | ŀ                                     | _            | _  | $\vdash$     | $\vdash$ |          |          | _      | _             | ł |
|       | 39   | H                                     | _            | -  | ┢            | H        | ┢        | -        | ┢      |               | ł |
|       | 40   | ┢─                                    | -            |  | ├            |          | -        | -        | -      |               | l |
|       | 41   | ┢                                     |              | -  | -            |          | $\vdash$ | -        | -      | _             |   |
|       | 42   | _                                     |              | -  | <del> </del> | -        | _        | _        | ┢      | -             |   |
|       | 43   | Г                                     |              |  | _            |          |          |          | Г      | <b>1</b>      | ١ |
|       | 44   |                                       |              |  |              |          |          |          |        |               |   |
|       | 45   |                                       |              |  |              |          |          |          |        |               |   |
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|       | 47   | 匚                                     |              | L  |              |          |          | L        | $\Box$ | $\sqsubseteq$ |   |
|       | 48   | <u> </u>                              | <u> </u>     | _  | L            |          | L        | L.       | L      | L             |   |
|       | 49   | <u> </u>                              | <u> </u>     | $ldsymbol{ldsymbol{\sqcup}}$                     | _            | <u> </u> |          | <u> </u> | L      | <u> </u>      | l |
|       | 50   | <u> </u>                              |              |  |              |          | <u> </u> |          | L      |               | J |

| Cla      | Date                                   |  |          |              |  |              |  |              |              |          |
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|          |  |  |          |              |  |              |  |              |              |          |
| <u></u>  | Original                               |  |          |              |  |              |  |              |              |          |
| Final    | į                                      |  |          |              | -  |              |  |              |              |          |
| ۱ ۴      | ō                                      |  |          |              |  |              |  |              |              |          |
|          |  | _  |          |              |  |              |  |              |              |          |
|          | 51                                     |  |          |              |  |              |  |              |              |          |
|          | 52                                     |  |          |              |  |              |  |              |              |          |
|          | 51<br>52<br>53                         |  |          |              |  |              |  |              |              |          |
|          | 54                                     |  |          |              |  |              | _  |              | _            |          |
| $\vdash$ | 54<br>55                               |  |          |              |  |              |  | Н            | $\vdash$     |          |
|          | 56                                     | -  |          |              |  | -            |  | H            |              |          |
|          | 50                                     | -  | _        | _            |  | $\vdash$     |  | $\vdash$     | $\vdash$     |          |
|          | 57                                     | _  | _        |              |  |              | _  |              | _            |          |
|          | 58                                     |  |          |              |  |              |  | _            | _            |          |
|          | 59                                     |  |          |              |  |              |  |              | _            |          |
|          | 60                                     |  |          |              |  |              |  |              |              |          |
|          | 60<br>61                               |  |          |              |  |              |  |              |              |          |
|          | 62                                     |  |          |              |  |              |  |              |              |          |
|          | 63                                     | Г  | Г        | Г            |  | Г            |  | _            |              |          |
|          | 64                                     | $\vdash$   | $\vdash$ | $\vdash$     |  | $\vdash$     |  |              | Н            | Н        |
| H        | 65                                     | -  | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$     | -        |
| H-       | 66                                     | -  | -        | <u> </u>     | -  | $\vdash$     | $\vdash$   | -            | _            |          |
| $\vdash$ | 00                                     | $\vdash$   | <u> </u> | <u> </u>     | <u> </u>   | ⊢-           |  | <u> </u>     | <u> </u>     | _        |
| <u> </u> | 67                                     | <u> </u>   | <u> </u> | <u> </u>     |  | <u> </u>     | ļ  | $\vdash$     | $\vdash$     |          |
|          | 68<br>69                               |  |          | L.           |  |              |  |              |              |          |
|          | 69                                     |  |          |              |  |              |  |              |              |          |
|          | 70                                     |  |          |              |  |              |  |              |              |          |
|          | 71<br>72<br>73<br>74<br>75<br>76<br>77 |  |          |              |  |              |  |              |              |          |
|          | 72                                     |  |          | 1            |  |              |  |              |              |          |
| _        | 73                                     |  | -        | _            |  |              | -  |              |              | $\vdash$ |
| $\vdash$ | 74                                     | -  | $\vdash$ | -            | -  |              | <del> </del>                                     |              | H            |          |
| <u> </u> | 74                                     | -  | -        |              | -  | -            | <del> </del>                                     | H            |              |          |
| <u> </u> | /5                                     | L  |          | <u> </u>     | _  | _            | <u> </u>   |              |              |          |
|          | 76                                     | <u> </u>   |          | _            |  |              | _  |              |              |          |
|          | 77                                     |  | Ŀ        | L            |  |              |  |              |              |          |
|          | 78                                     |  |          |              |  |              | <u> </u>   | L            |              |          |
|          | 79                                     |  |          |              |  |              |  |              |              |          |
|          | 80                                     |  |          |              |  |              | Г  |              |              |          |
|          | 81                                     |  |          | Η-           |  |              | $\vdash$   |              |              |          |
|          | 81<br>82                               | <del>                                     </del> |          |              |  |              | $\vdash$   | $\vdash$     | ┢            | _        |
|          | 83                                     | $\vdash$   |          | -            | <del> </del>                                     |              | $\vdash$   |              | _            | -        |
| -        | 84                                     | $\vdash$   | $\vdash$ | -            | ┢  |              |  |              | -            |          |
| <b></b>  | 85                                     | $\vdash$   | -        | $\vdash$     | $\vdash$   | <u> </u>     | $\vdash$   | -            | ├            |          |
| <u></u>  | 00                                     | <u> </u>   | <u> </u> | $\vdash$     | <u> </u>   | <u> </u>     | <u> </u>   |              | ├            | <u> </u> |
| <u> </u> | 86                                     | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>     | <u> </u> |
|          | 87                                     | _  | _        | $oxed{oxed}$ | _  |              |  | $oxed{oxed}$ | <u> </u>     |          |
|          | 88                                     |  |          | L            |  | $oxed{oxed}$ | <u> </u>   | <u>_</u>     | <u>L</u>     | _        |
|          | 89                                     | L  | L        | L            |  | L            |  | L            | L            |          |
|          | 90                                     |  |          |              |  |              |  |              |              |          |
|          | 91                                     |  |          |              |  |              |  |              |              |          |
|          | 92                                     | $\vdash$   |          | $\vdash$     | <del>                                     </del> |              | Г  | l            | Г            | _        |
| -        | 93                                     | $\vdash$   | -        |              | $\vdash$   | $\vdash$     | <del>                                     </del> |              | $\vdash$     | <b></b>  |
| $\vdash$ |  | $\vdash$   | $\vdash$ | -            | -  |              | -  | <u> </u>     | <del> </del> | $\vdash$ |
| -        | 94                                     | ├  | ├        | $\vdash$     | ├  | _            | -  | <u> </u>     | $\vdash$     | $\vdash$ |
|          | 95                                     | <u> </u>   | ļ        | <b> </b>     | <u> </u>   | $\vdash$     |  | _            | <u> </u>     | _        |
| L        | 96                                     |  | ļ        |              | L_   | <u> </u>     |  | L            | <u> </u>     | L_       |
|          | 97                                     | L  |          |              |  |              | L  |              |              |          |
|          | 98                                     |  |          |              |  |              |  |              | Ī            |          |
|          | 99                                     |  |          |              |  |              |  |              | Г            |          |
|          | 100                                    | $\vdash$   | Т        | $\vdash$     |  | $\vdash$     | <b></b> -  |              |              | $\vdash$ |
| ш        |  | Щ.   | Щ.       | Ь            | <u> </u>   | L            | L  | L            | Ц            | Ь        |

| Cli      | Date                            |   |          |  |                                     |              |              |          |          |            |
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|          | i i                             |   |          |  |                                     |              |              |          |          |            |
| a        | Original                        |   |          |  |                                     |              |              |          |          |            |
| Final    | rig                             |   |          |  |                                     |              |              |          |          |            |
|          | 0                               |   |          |  |                                     |              |              |          |          |            |
|          | 101                             |   |          | H  |                                     |              |              | _        |          | Н          |
|          | 101<br>102                      |   | $\vdash$ | $\vdash$   |                                     |              |              | _        |          | П          |
|          | 103                             | -   | $\vdash$ | $\vdash$   |                                     | -            |              | -        |          |            |
|          | 104                             | $\vdash$  | $\vdash$ |  |                                     |              |              | -        |          | Н          |
|          | 104<br>105                      | $\vdash$  | H        |  | $\vdash$                            | $\vdash$     |              |          |          | Н          |
|          | 106                             |   | $\vdash$ | H  | $\vdash$                            | ┢            |              |          | -        | Н          |
|          | 107                             | -   | -        | Н  | H                                   |              |              |          |          | Н          |
|          | 107<br>108<br>109               |   | -        | _  | -                                   | H            |              |          | _        | Н          |
|          | 109                             |   | -        | -  | $\vdash$                            | $\vdash$     |              | $\vdash$ | _        | Н          |
|          | 110                             |   | ┝        | _  | -                                   | ┢╌           |              | Н        |          |            |
|          | 110<br>111                      |   | $\vdash$ |  | $\vdash$                            | <del> </del> |              | _        | _        | H          |
| <b></b>  | 112                             | $\vdash$  | $\vdash$ |  | $\vdash$                            | $\vdash$     | H            | H        | H        | H          |
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| <b></b>  | 116                             | H   | $\vdash$ | <del> </del>                                     |                                     | -            | H            | H        | $\vdash$ |            |
|          | 110                             | <del></del>   | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$     |              | -        | -        | Н          |
| <b></b>  | 110                             | $\vdash$  | ⊢        | $\vdash$   | ├                                   |              | -            | $\vdash$ | $\vdash$ | Н          |
| <b></b>  | 115<br>116<br>117<br>118<br>119 | H   | $\vdash$ |  | <del> </del>                        | -            | <del> </del> | H        | $\vdash$ |            |
| <b></b>  | 119                             |   |          | ┝  | _                                   | <u> </u>     |              | -        |          | Н          |
|          | 120<br>121<br>122               |   | ┝        | ├-   | <del> </del>                        |              | _            |          |          | Н          |
| ├        | 121                             |   | ├        | ├  | <u> </u>                            |              | -            |          |          | _          |
| <u> </u> | 122                             |   |          | <u> </u>   | _                                   | -            |              |          | -        | Н          |
| <u> </u> | 123<br>124<br>125               |   | _        | ┝  | <u> </u>                            |              | _            | -        |          | Н          |
| <u> </u> | 124                             | -   | _        | ⊢  | _                                   | <u> </u>     |              |          |          |            |
| ļ        | 125                             | <u> </u>  |          | <u> </u>   | ļ                                   |              | _            |          |          | ├          |
|          | 126                             | _   | <u> </u> |  | <u> </u>                            |              | _            |          |          | Н          |
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|          | 126<br>127<br>128<br>129<br>130 | _   | <u> </u> | _  | -                                   | _            |              | _        |          |            |
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|          | 132                             | <u> </u>  | <u> </u> | <u> </u>   | ļ                                   |              | _            | _        |          |            |
|          | 133                             |   | <u> </u> | _  |                                     |              |              |          |          |            |
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|          | 135                             |   | <u> </u> | _  | <u> </u>                            | _            |              | <u> </u> |          |            |
|          | 136                             | L   | <u> </u> |  | _                                   |              |              | _        | _        |            |
|          | 137<br>138                      | _   | _        | _  | L_                                  |              |              | ļ        | _        |            |
|          | 138                             |   | _        | <u> </u>   |                                     |              |              | <u> </u> | <u> </u> |            |
| <u> </u> | 139                             | L.  |          | <u> </u>   | <u> </u>                            | <u> </u>     | <u> </u>     | <u> </u> | <u> </u> | ļ,         |
| <u> </u> | 140                             |   |          |  | <u> </u>                            | <u> </u>     | <u> </u>     | <u> </u> | <u> </u> |            |
| <u> </u> | 141                             | L   | <u>_</u> | <u> </u>   | L.                                  | <u> </u>     | <u> </u>     |          | <u> </u> | Щ          |
|          | 142                             |   |          | <u> </u>   | L                                   |              | <u> </u>     | <u> </u> | <u> </u> | <u> </u>   |
| ļ        | 143                             |   | _        | <u> </u>   |                                     | <u> </u>     | <u> </u>     |          | <u> </u> | lacksquare |
|          | 144                             |   |          |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>     |              |          | L        | Щ.         |
|          | 145                             |   | L        | <u> </u>   | <u> </u>                            | _            |              | _        | oxdot    |            |
|          | 146                             | L   |          |  |                                     |              |              |          |          |            |
|          | 147                             |   |          |  |                                     |              | L            |          |          |            |
|          | 148                             |   |          |  |                                     | $\Box$       |              | L        |          |            |
|          | 149                             |   | L        | L  | L                                   | L            | L            |          |          |            |
|          | 150                             |   |          |  |                                     |              |              |          |          |            |
|          |                                 |   |          |  |                                     |              |              |          |          |            |